

MILES® CAUSTIC SODA BEADS

Sodium Hydroxide Beads / Lye

Product Data Sheet

PRODUCT DESCRIPTION

Miles® Caustic Soda Beads are white, free-flowing solid sodium hydroxide in bead (pearl) form. The beads dissolve quickly in water, releasing heat.

They are used in drain and industrial cleaners, soap and detergent making, pH adjustment, water treatment, and chemical manufacturing. The product is hygroscopic and absorbs moisture and carbon dioxide from the air, so keep containers tightly closed.

Chemical Name: Sodium hydroxide (beads)

CAS Number: 1310-73-2

Chemical Formula: NaOH

Molecular Weight: 40.00 g/mol

TYPICAL APPLICATIONS

Miles® Caustic Soda Beads is suitable for use in applications including:

- Drain and industrial cleaners
- Soap and detergent manufacturing
- pH adjustment and neutralization
- Water treatment
- Chemical manufacturing

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Appearance	White solid beads / pearls
Assay (Technical Grade)	approx. 98–99% minimum
Melting Point	318°C (604°F)
Boiling Point	1,390°C (2,534°F)
Density	2.13 g/cm ³
Water Solubility	Very high (approx. 1,090 g/L at 20°C)
Transport	UN1823, Class 8 (corrosive), Packing Group II

The values shown are typical physical properties and are not intended to constitute product specifications.

PRODUCT FEATURES

- Solid bead form for measured dosing and easy handling
- Very high solubility in water
- High-assay strong base
- Supplied in 50 lb bags

STORAGE & HANDLING

Store in tightly closed, dry containers; the beads absorb moisture and carbon dioxide from the air. Keep away from acids and moisture. When dissolving, add the beads slowly to water (never water to beads), as dissolution releases heat. Never store in aluminum containers, and avoid magnesium, zinc, tin and chromium.

Corrosive (UN1823, Class 8, Packing Group II). Causes severe skin burns and eye damage and may be corrosive to metals. Consult the applicable Miles® Safety Data Sheet (SDS) before handling, storing, or using this product.

AVAILABLE PACKAGING

- 50-Pound Bags

Packaging availability may vary. Contact Miles Lubricants LLC for current packaging and minimum-order requirements.

IMPORTANT

Miles® Caustic Soda Beads is intended for industrial applications. It should not be represented or used as USP, pharmaceutical, food, cosmetic, or personal-care grade unless the specific product supplied is independently certified for those applications.

PRODUCT INFORMATION

Miles Lubricants LLC

Industrial Lubricants, Chemicals & Specialty Fluids

Product: Miles® Caustic Soda Beads (50 lb Bag)

CAS No.: 1310-73-2

For product availability, technical information, and Safety Data Sheets, contact Miles Lubricants LLC.

DISCLAIMER

The information and typical properties contained in this Product Data Sheet are provided for general informational purposes and are believed to be accurate at the time of publication. Typical values are not specifications or guaranteed properties. Product users are responsible for determining the suitability, compatibility, safety, and regulatory compliance of the product for their particular application. Please consult the applicable Safety Data Sheet before use.